

2 a memory to store images of an image frame in a plurality of memory pages;  
3 a processor to perform drawing operations to generate the images for the image frame,  
4 the processor marking memory pages corresponding to regions of the image frame that have  
5 been updated while performing the drawing operations; and  
6 a display controller in communication with the memory to access the image frame and to  
7 send only the marked memory pages of the image frame to the display to refresh the display.

1 4. (Previously Amended) The system of claim 3, wherein the image frame is  
2 divided into tiles representing two-dimensional regions of the image frame, each of the tiles is  
3 stored in one separate memory page.

1 5. (Previously Amended) The system of claim 3, wherein each of the memory pages  
2 has a size of four Kilobytes.

1 6. (Previously Amended) The system of claim 3, wherein the image frame is  
2 represented by a configuration where color components of a pixel are deposited in contiguous  
3 memory locations.

1 7. (Previously Amended) The system of claim 3, wherein the image frame is  
2 represented by a configuration where color components of a pixel are separated and deposited in  
3 multiple color planes.

1 8. (Cancelled)

1 9. (Cancelled)

1 10. (Previously Amended) A method to refresh a display, comprising:  
2 storing at least one image frame such that content of the image frame is stored in a  
3 plurality of memory pages in a memory;  
4 marking memory pages corresponding to regions of the image frame that have been  
5 updated while performing drawing operations; and  
6 sending only the marked memory pages of the image frame to the display to refresh the  
7 display.

1 11. (Previously Amended) The method of claim 10 further comprising:  
2 dividing the image frame into tiles representing two-dimensional regions of the image  
3 frame; and  
4 storing each of the tiles in one separate memory page.

1 12. (Previously Amended) The method of claim 10 further comprises using memory  
2 pages of four Kilobytes in size.

1 13. (Previously Amended) The method of claim 10 further comprises organizing the  
2 image frame using a configuration where color components of a pixel are deposited in  
3 contiguous memory locations.

1 14. (Previously Amended) The method of claim 10, further comprises organizing the  
2 image frame using a configuration where color components of a pixel are separated and  
3 deposited in multiple color planes.

1 15. (Previously Amended) A program embodied on a system-readable medium to  
2 refresh a display, comprising:  
3 a first sub-program to control storing at least one image frame in a memory such that  
4 content of the image frame is stored in a plurality of memory pages in the memory;  
5 a second sub-program to mark memory pages corresponding to regions of the image  
6 frame that have been updated while performing drawing operations; and  
7 at least one sub-program to access the image frame and to send only the marked memory  
8 pages of the image frame one memory page at a time to the display to refresh the display.

1 16. (Cancelled)

1 17. (Cancelled)

1 18. (Original) The program of claim 15 further comprising:  
2 a third sub-program to divide the image frame into tiles representing regions of the image  
3 frame and to store each tile in a separate memory page.

1 19. (Original) The program of claim 15 further comprising:  
2 a third sub-program to organize the image frame using a configuration where color  
3 components of a pixel are deposited in contiguous memory locations.

1 20. (Original) The program of claim 15 further comprising:  
2 a third sub-program to organize the image frame using a configuration where color  
3 components of a pixel are separated and deposited in multiple color planes.

1 21. (Original) The system of claim 3, wherein the display controller sends the image  
2 frame one memory page at a time to the display to refresh the display.

1 22. (Original) The method of claim 10, wherein the sending of the marked memory  
2 pages of the image frame to the display to refresh the display further comprises sending the  
3 marked memory pages one memory page at a time.

1 23. (Previously Added) The system of claim 3, wherein the image frame is divided  
2 into tiles each representing a two-dimensional region of the image frame.

1 24. (Previously Added) The program of claim 15 further comprising:  
2 a third sub-program to divide the image frame into tiles representing regions of the image  
3 frame.

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